



UNITED STATES PATENT AND TRADEMARK OFFICE

50
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,202	12/21/2001	Rajamani Ganesh	01-4066	4941
32127	7590	03/08/2005	EXAMINER	
VERIZON CORPORATE SERVICES GROUP INC. C/O CHRISTIAN R. ANDERSEN 600 HIDDEN RIDGE DRIVE MAILCODE HQEO3H14 IRVING, TX 75038			FERGUSON, KEITH	
			ART UNIT	PAPER NUMBER
			2683	

DATE MAILED: 03/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/032,202	Applicant(s) GANESH, RAJAMANI	
	Examiner Keith T. Ferguson	Art Unit 2683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 18,19 and 23-25 is/are allowed.
- 6) ☒ Claim(s) 1-6,15-17,20 and 22 is/are rejected.
- 7) ☒ Claim(s) 7-14 and 21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2/25/05</u> . | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2683

DETAILED ACTION

1. Applicant's arguments with respect to claims 1-25 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-4, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thomas in view of Buckham et al., newly recited reference.

Regarding claim 1, Thomas discloses a method (fig. 6) for providing location information of a wireless communication device within a wireless communication network (paragraph 0010), said method comprising: receiving a request for said location information from a requesting party (mobile unit) (fig. 6 number 602 and paragraph 0048); verifying that said requesting party is an authorized party (fig. 6 numbers 606 and 608 and paragraph 0048, paragraph 0049); when said requesting party is said authorized party (fig. 6 numbers 606 and 608 and paragraph 0048), determining said location information in response to wireless communication between said wireless communication device (fig. 6 number 610 and paragraph 0048) and a transceiver site (satellites or transceivers from a network) of said wireless communication network (paragraph 0028); supplying said location information to

Art Unit: 2683

said requesting party (fig. 6 number 614 and paragraph 0048), compiling a log for said wireless communication device from a comprehensive database maintained by a service provider of said wireless communication network (paragraph 0047), said including said location information (paragraph 0047). Thomas differs from claim 1 of the present invention in that it does not disclose compiling a call history log for said wireless communication device from a comprehensive call history database maintained by a service provider of said wireless communication network, said call history log including said location information. Buckham et al. discloses a method (fig. 3) wherein a wireless carrier makes a call history of subscriber via a website (i.e. web information from an internet database) based upon locations where calls are/where placed by the subscriber, and optional billing zones (col. 5 lines 26-42). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Thomas with compiling a call history log for said wireless communication device from a comprehensive call history database maintained by a service provider of said wireless communication network, said call history log including said location information in order for the location monitoring server to bill the mobile unit based upon the number of times it requested location information services or tracking service, as taught by Buckham et al..

Regarding claim 2, Thomas discloses establishing, prior to said receiving operation (paragraph 0041), a user profile for said wireless communication device (paragraph 0041), said user profile containing an identifier (name or password) for said authorized party (paragraph 0041).

Regarding claim 3, Thomas discloses matching a requesting party identifier of said requesting party with said identifier of said authorized party (paragraph 0041, 0048 and paragraph 0049).

Regarding claim 4, Thomas discloses detecting, prior to said receiving operation (paragraph 0048), a log-in attempt at a web page of a service provider of said wireless communication network, said request being received via said web page following successful completion of said log-in attempt (paragraph 0048 and paragraph 0049).

Art Unit: 2683

Regarding claim 17, Thomas discloses providing said location information via a web page (paragraph 0048).

4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Thomas in view of Buckham et al. as applied to claim 1 above and in further view of Kall et al..

Regarding claim 5, the combination of Thomas and Buckham et al. differs from claim 5 of the present invention in that it does not explicit disclose a dialing number of said wireless communication device. Kall et al. teaches a (MSISDN) (dialing number) for dialing a requested mobile station (paragraph 0026). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of Thomas and Buckham et al. with a dialing number of said wireless communication device in order for the wireless network to determine which mobile unit is being asked about, as taught by Kall et al..

5. Claims 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thomas in view of Buckham et al. as applied to claim 1 above and in further view of Negishi.

Regarding claims 15 and 16, the combination of Thomas and Buckham et al. differs from claims 15 and 16 of the present invention in that they do not explicit disclose displaying said location information on a map of a geographical area in which said location information is positioned, said location information is a coverage area of said transceiver site, and said displaying operation comprises overlaying said coverage area on said map of said geographical area. Negishi teaches displaying location information on a map of a geographical area in which said location information is positioned (col. 5 lines 33-43), a location information is a coverage area of said transceiver (base station) site (col. 5 lines 33-43), and said displaying operation comprises overlaying said coverage area on said map of said geographical area (col. 5 lines 33-43). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of Thomas

Art Unit: 2683

and Buckham et al. with displaying said location information on a map of a geographical area in which said location information is positioned, said location information is a coverage area of said transceiver site, and said displaying operation comprises overlaying said coverage area on said map of said geographical area in order to provide the requesting user a map image of the location of the network transceiver identification and the location of the mobile unit, as taught by Negishi.

6. Claims 20 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thomas in view of Buckham et al., newly recited reference and Negishi.

Regarding claims 20 and 22, Thomas discloses a method (fig. 6) for providing location information of a wireless communication device within a wireless communication network (paragraph 0010), said method comprising: receiving, at a web page of a service provider of said wireless communication network (paragraph 0048), a request for said location information from a requesting party (paragraph 0048); verifying that said requesting party is an authorized party (fig. 6 numbers 606 and 608 and paragraph 0048, paragraph 0049); when said requesting party is said authorized party (fig. 6 numbers 606 and 608 and paragraph 0048), compiling a log for said wireless communication device from a comprehensive maintained by said service provider (paragraph 0047), said log including said location information responsive to wireless communication between said wireless communication device (paragraph 0047) and transceiver sites (satellites or transceivers from a network) of said wireless communication network (paragraph 0028); and supplying said location information to said requesting party by displaying said location information of a geographical area in which said location information is positioned (fig. 6 number 614 and paragraph 0048). Thomas differs from claims 20 and 22 of the present invention in that it does not disclose compiling a call history log for said wireless communication device from a comprehensive call history database maintained by a service provider of said wireless communication network, said call history log including said location information, displaying said location information on a map of a geographical area in which said location information is positioned, and overlaying said coverage areas on said map of said geographical area. Buckham et al. discloses a method (fig. 3) wherein a wireless carrier makes a call history of subscriber via a website (i.e. web information from an internet database) based upon locations where calls are/where placed by the subscriber, and optional billing zones (col. 5 lines 26-42).

Art Unit: 2683

Negishi teaches displaying a location information on a map of a geographical area in which a location information is positioned (col. 5 lines 33-43), and overlaying a coverage areas on said map of said geographical area (col. 5 lines 33-51). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Thomas with compiling a call history log for said wireless communication device from a comprehensive call history database maintained by a service provider of said wireless communication network, said call history log including said location information, displaying said location information on a map of a geographical area in which said location information is positioned, and overlaying said coverage areas on said map of said geographical area in order for the location monitoring server to bill the mobile unit based upon the number of times it requested location information services or tracking service and to provide the requesting user a map image of the location of the mobile unit and travel history of the mobile unit, as taught by Buckham et al. and Negishi.

Allowable Subject Matter

7. Claim 7-14 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. The following is a statement of reasons for the indication of allowable subject matter: The prior art of record fails to teach or suggest, alone or in combination wherein said wireless communication is a call in which said wireless communication device participated, said call being routed through said transceiver site, a call record of said call is registered in said comprehensive call history database, and said compiling operation comprises: accessing said comprehensive call history database to extract said call record; defining said location information as a coverage area of said transceiver site at a first instant of said call; and associating said call record with said coverage area in said call history log.

Regarding claim 14, the prior art of record fails to teach or suggest, alone or in combination wherein said call is a first

Art Unit: 2683

call, said wireless communication device participated in a second call, said second call being routed through a second transceiver site of said wireless communication network, a second call record of said second call is registered in said comprehensive call history database, and said compiling operation further comprises: accessing said comprehensive call history database to extract said second call record; defining said location information as a second coverage area of said second transceiver site at a second instant of said second call; and associating said second call record with said second coverage area in said call history log.

Regarding claim 21, the prior art of record fails to teach or suggest, alone or in combination wherein said wireless communication is a quantity of calls in which said wireless communication device participated, said calls being routed through said transceiver sites, a call record for each of said calls is registered in said comprehensive call history database, and said compiling operation comprises: accessing said comprehensive call history database to extract a quantity of most recent ones of said call records; defining said location information as coverage areas of said transceiver sites at instants of said calls; and associating said call records with said coverage areas in said call history log.

9. Claims 18-19,23-25 are allowed.

10. The following is a statement of reasons for the indication of allowable subject matter: Regarding claim 18, the prior art of record fails to teach or suggest, alone or in combination a method for supplying location information of a wireless communication device within a wireless communication network, said method comprising: providing a first web page having a requester log-in section; following detection of a successful log-in attempt at said requester log-in section, providing a second web page having a device identifier field; and following

Art Unit: 2683

detection of a device identifier of said wireless communication device in said device identifier field, providing a third web page having a map of a geographical area overlaid with coverage areas of transceiver sites through which calls were routed, said wireless communication device having participated in said calls, and associated ones of said coverage areas defining said location information at instants of said calls.

Regarding claim 23, the prior art of record fails to teach or suggest, alone or in combination a computer-readable storage medium containing executable code for instructing a server system to provide location information of a wireless communication device within a wireless communication network over the Internet, said executable code instructing said server system to perform operations comprising: providing a first web page having a requester log-in section; providing a second web page having a device identifier field following detection of a successful log-in attempt by a requesting party at said requester log-in section; providing a third web page having a map of a geographical area overlaid with coverage areas of transceiver sites through which calls were routed following detection of a device identifier of said wireless communication device in said device identifier field, said wireless communication device having participated in said calls, and associated ones of said coverage areas defining said location information at instants of said calls.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Chou (U.S. Patent 6,327,533) discloses a method for continuously locating an object using a map and web page (abstract and col. 12 lines

Art Unit: 2683

1-45). Obradovich et al. (U.S. Pub: 2003/0163251) discloses a recent call record database (paragraph 0067).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Keith T. Ferguson whose telephone number is (703) 305-4888. The examiner can normally be reached on 6:30am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (703) 308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

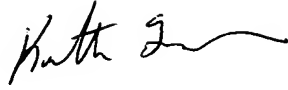
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/032,202

Page 10

Art Unit: 2683

Keith Ferguson

A handwritten signature in black ink, appearing to read "Keith Ferguson", written over the printed name.

Art Unit 2683

December 25, 2005